

**SITE INSPECTION REPORT
FOR
WOODRUFF AND EDWARDS
ELGIN, IL
ILD005071410
F05-8702-167
PAN: FIL0479SI**

MARCH 30, 1987

US EPA RECORDS CENTER REGION 5



498578

SITE INSPECTION MEMO

1

2070 - 13 FORM

2

SITE MAPS

3

SITE PHOTOGRAPHS

4

1

000665

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International Specialists in the Environment

MEMORANDUM

DATE: March 30, 1987
TO: File
FROM: Dan Lombardi *D.L.*
SUBJECT: Illinois/F05-8702-167/FIL0479SI
Elgin/Woodruff and Edwards
ILD005071410

Woodruff and Edwards, Incorporated began operation as a foundry in 1867. The facility is still in operation and produces gray and ductile iron castings. The company is located in the center of Elgin, Illinois, along the west bank of the Fox River.

The portion of the facility under consideration is a landfill which is owned and operated by Woodruff and Edwards. It is located north of the plant and has been in operation since 1949. Waste products generated from plant operations are disposed of at the landfill and include fly ash, foundry sand, and slag. These materials along with scrap metal are the only wastes allegedly disposed of at the site.

In 1981, the landfill property was deeded to the city of Elgin. However, the Illinois Environmental Protection Agency (IEPA) would not allow Woodruff and Edwards to dispose of waste on city owned property; therefore, the property was returned through a "Quitclaim Deed." The landfill property will be returned to the city in 1989.

The site was originally identified by the IEPA from observation reports and a Preliminary Assessment submitted to the U.S. EPA. On March 23, 1987, FIT personnel conducted an interview with site

representatives and an onsite inspection of the landfill.

The landfill has a fairly good history of operation, but it has been in constant violation of IEPA regulations because of inadequate or lack of daily cover. Also, the landfill was observed to be very close to the Fox River.

Woodruff and Edwards contend that a daily cover is unnecessary, according to a memo sent from C.E. Clark of the IEPA in 1974. This memo stated that ash, slag, and sand do not require daily cover. This allegation is debatable and should be referred to subtitle G, Section 807 of the State of Illinois Rules and Regulations.

The landfill consists of three parcels of land that total 10 acres. Only one building exists onsite and was previously used for storage. It is currently no longer used.

One employee is tasked to haul waste to the landfill as the fly ash is placed in tuff tote bags and covered with foundry sand. The northern most parcel is the active area where exposed and broken bags were observed in uncovered mounds and along the landfill slope (see photographs).

A grab sample analysis of the fly ash and foundry sand was obtained by the IEPA and indicates that heavy metals are present. Samples taken in May 1986 indicate the presence of iron, lead, zinc, and cadmium in low concentrations. Higher concentrations of iron, lead, chromium, copper, manganese, cadmium, and arsenic were detected in samples collected in September, 1981.

A very high potential exists for these metals to reach the Fox River via surface runoff. In addition, the toe and slope of the landfill are susceptible to slumping and slope erosion.

Roughly 90 percent of the city of Elgin's water is obtained from the Fox River. However, the surface water intakes are located 1 1/2

miles upstream from the site and there is no potential for drinking water contamination via this pathway. A potential for groundwater contamination does exist, as the site has no liner and is underlain by sand and gravel.

Other observations made by FIT personnel on March 23, 1987, include the following: the abandoned portions of the landfill were vegetated but had no clay cover; garden plots were located in the central parcel (see Figure 2); and exposed and broken bags of fly ash were present in the active area. The landfill also has no water diversion system, monitoring wells, or a leachate collection system. The top of the landfill has a low gradient which dips toward the west and very steep sided margins ($> 45^\circ$). The toe of the landfill extends within 10 feet of the Fox River and 20 feet from the north property line.

69Z:4M



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION	
01 STATE IL	02 SITE NUMBER 005071410

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) WOODRUFF 19210 EDWARDS COMPANY	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 779 NORTH STATE STREET					
03 CITY ELGIN	04 STATE IL	05 ZIP CODE 60120	06 COUNTY KANE	07 COUNTY CODE 089	08 CONG DIST 14	
09 COORDINATES LATITUDE 42 22 30.0	LONGITUDE 088 17 30.0	10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN				

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 3 23, 87 MONTH DAY YEAR	02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1878 BEGINNING YEAR ENDING YEAR UNKNOWN
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04 AGENCY PERFORMING INSPECTION (Check all that apply)
<input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR Ecology, ENVIRONMENT (Name of firm) <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR _____ (Name of firm) <input type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR _____ <input type="checkbox"/> G. OTHER _____ (Specify)

05 CHIEF INSPECTOR DAI LOMBARDI	06 TITLE TEAM LEADER / FIT TEAM GEOLOGIST	07 ORGANIZATION Ecology, ENVIRON. REGION IV	08 TELEPHONE NO. (312)663-9415
09 OTHER INSPECTORS DAVE CURNOCK	10 TITLE TEAM MEMBER / FIT TEAM	11 ORGANIZATION Ecology, ENVIRON. REGION IV	12 TELEPHONE NO. (312)663-9415
MELANIE NESTERENKO	TEAM MEMBER / FIT TEAM	Ecology, ENVIRON. REGION IV	(312)663-9415

13 SITE REPRESENTATIVES INTERVIEWED OLUFEMI O. POLARIN	14 TITLE ATTORNEY	15 ADDRESS 119 N. STATE STREET ELGIN, IL 60120	16 TELEPHONE NO. (312)742-8700
MERLIN J. ROHLINGER	TECHNICAL CONSULTANT	142 KENLOCH AVE. LIBERTYVILLE, IL 60048	(312)362-6180

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 10:00	19 WEATHER CONDITIONS Sunny ~60°	
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IV. INFORMATION AVAILABLE FROM

01 CONTACT DON JOSIF	02 OF (Agency/Organization) US EPA - REGION IV	03 TELEPHONE NO. (312)886-0393	
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM DAI LOMBARDI	05 AGENCY US. EPA	06 ORGANIZATION EPA, INC. REGION IV	07 TELEPHONE NO. (312)663-9415
			08 DATE 3 30, 87 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	005071410

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)	02 WASTE QUANTITY AT SITE <small>(Measures of waste quantities must be independent)</small>	03 WASTE CHARACTERISTICS (Check all that apply)
<input checked="" type="checkbox"/> A. SOLID <input checked="" type="checkbox"/> B. POWDER, FINES <input type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ <small>(Specify)</small>	<input type="checkbox"/> E. SLURRY <input type="checkbox"/> F. LIQUID <input type="checkbox"/> G. GAS TONS _____ CUBIC YARDS 28,925 NO. OF DRUMS _____	<input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
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WASTES DISPOSED OF AT THE WOODRUFF AND EDWARDS LANDFILL CONSIST OF FLY ASH, FOUNDRY SAND, AND SLAG. THESE MATERIALS ARE CONSIDERED NON-HAZARDOUS AND ARE ALLEGEDLY NOT CONSIDERED SPECIAL WASTES (IEPA). CHEMICAL ANALYSIS OF GRAB SAMPLES COLLECTED IN JANUARY, 1978 AND SEPTEMBER, 1981 INDICATE THE PRESENCE OF HEAVY METALS. * MAXIMUM VALUE.

Foundry Sand:

Cr .01 - 5.0 ppm (* E.P. tox 0.00)
 Pb .01 - 11.0 ppm (" < 0.03)
 Mn .06 - 66.0 ppm (" 0.62)
 Zn 0.2 - 31.0 ppm (" 0.01)
 Cd 0.0 - 2.5 ppm (" 0.01)

Fly Ash:

Cr .05 - 337.0 ppm (E.P. tox* 0.02)
 Pb .03 - 3249.0 ppm (" 0.06)
 Mn 4.2 - 14,650.0 ppm (" 6.42)
 Zn 2.5 - 6678.0 ppm (" 0.10)
 Cd 0.3 - 42.5 ppm (" 0.10)

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SITE INSPECTOR AND INTERVIEW WITH SITE REPRESENTATIVES
 BY E;E
 E;E/FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	005071410

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A. GROUNDWATER CONTAMINATION

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 67,549

04 NARRATIVE DESCRIPTION

11 DEEP MUNICIPAL WELLS DRAW WATER FROM THE EDWARDS - MT. SIMON AQUIFERS AT DEPTHS FROM 1220 TO 3000 FEET. 3 WELLS DRAW FROM THE SHALLOW SAND AND GRAVEL AQUIFER AND ARE USED DURING EMERGENCIES ONLY. THE MARIKETTA SHALE SEPARATES THESE AQUIFERS. GROUNDWATER (10%) IS MIXED WITH SURFACE WATER.

01 B. SURFACE WATER CONTAMINATION

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 67,549

04 NARRATIVE DESCRIPTION

THE CITY OF ELDON OBTAINS THE MAJORITY OF THEIR WATER FROM THE FOX RIVER. THE INTAKES (4) ARE LOCATED 1 1/2 MILES UPSTREAM FROM THE SITE AND THERE ARE NO INTAKES WITHIN 2 MILES DOWNSTREAM FROM THE SITE. THERE IS A POTENTIAL FOR SURFACE WATER CONTAMINATION BUT NOT THE INTAKES. THE RIVER IS USED FOR BOATING; FISHING.

01 C. CONTAMINATION OF AIR

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

NONE DOCUMENTED

01 D. FIRE/EXPLOSIVE CONDITIONS

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

NONE DOCUMENTED

01 E. DIRECT CONTACT

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 67,549

04 NARRATIVE DESCRIPTION

THE ENTRANCE HAS A LOCKED GATE BUT THE FACILITY IS NOT FENCED.

01 F. CONTAMINATION OF SOIL

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 AREA POTENTIALLY AFFECTED: ~10.00

(Acres)

04 NARRATIVE DESCRIPTION

THE LANDFILL HAS NO CLAY COVER. THE WASTE IS COVERED WITH FOUNDRY SAND THAT ALLEGEDLY CONTAINS HEAVY METALS.

01 G. DRINKING WATER CONTAMINATION

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 67,549

04 NARRATIVE DESCRIPTION

SEE SECTORS A & B

01 H. WORKER EXPOSURE/INJURY

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 WORKERS POTENTIALLY AFFECTED: 1

04 NARRATIVE DESCRIPTION

NONE DOCUMENTED - POTENTIAL EXISTS FOR CONTACT BY INHALATION IF DUSTY AND WINDY CONDITIONS OCCUR.

01 I. POPULATION EXPOSURE/INJURY

02 OBSERVED (DATE: _____)

POTENTIAL

ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NONE DOCUMENTED



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE ILD 02 SITE NUMBER 005 071410

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

- 01 J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

NONE DOCUMENTED

- 01 K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

NONE DOCUMENTED

- 01 L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

NONE DOCUMENTED - POTENTIAL EXISTS BECAUSE A GARDEN WAS FOUND ON THE SITE. NOT KNOWN IF IT STILL USED OR NOT.

- 01 M. UNSTABLE CONTAINMENT OF WASTES
(Spills/Runoff/ Standing liquids. Leaking drums)

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

- 03 POPULATION POTENTIALLY AFFECTED: 16,000

04 NARRATIVE DESCRIPTION

NO DIKE OR RETAINING WALL BETWEEN THE LANDFILL AND THE FOX RIVER.
SLOPE OF LANDFILL IS VERY STEEP (>50°) AND IS SUSCEPTIBLE TO SLOPE EROSION.
THE TOE OF THE LANDFILL IS 10 TO 12' FROM THE RIVER. WITH 100YR. FLOODPLAIN.

- 01 N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

NONE DOCUMENTED

- 01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

NONE DOCUMENTED

- 01 P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 OBSERVED (DATE: _____) POTENTIAL ALLEGED

NONE DOCUMENTED

- 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE DOCUMENTED

- III. TOTAL POPULATION POTENTIALLY AFFECTED: 67549

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SITE INSPECTION AND INTERVIEW WITH SITE REPRESENTATIVES. BY E;E.
E;E/FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION	
O1 STATE	O2 SITE NUMBER
ILD	005071410

II. PERMIT INFORMATION

O1 TYPE OF PERMIT ISSUED (Check all that apply)	O2 PERMIT NUMBER	O3 DATE ISSUED	O4 EXPIRATION DATE	O5 COMMENTS
<input checked="" type="checkbox"/> A. NPDES	IL0035-815			
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input checked="" type="checkbox"/> I. OTHER (Specify)	0248	8/12/86	9/20/87	SPECIAL WASTE HAULER
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

O1 STORAGE/DISPOSAL (Check all that apply)	O2 AMOUNT	O3 UNIT OF MEASURE	O4 TREATMENT (Check all that apply)	O5 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	1,455 sq ft.
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input checked="" type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input checked="" type="checkbox"/> I. OTHER (Specify)				

O7 COMMENTS

WOODRUFF AND EDWARDAS OPERATES AS A FOUNDRY THAT PROCESSES GRAY AND CAST IRON CASTINGS. THEY UTILIZE THEIR OWN LANDFILL LOCATED WEST OF THE PLANT. THE LANDFILL HAS BEEN IN OPERATION SINCE 1949. WASTE MATERIALS GENERATED AND DISPOSED OF AT THE LANDFILL INCLUDE FLY ASH, FOUNDRY SAND, AND SLAG. FLY ASH IS PLACED IN PLASTIC BAGS AND IS HAULED OFF TO THE LANDFILL WHERE IT IS COVERED WITH FOUNDRY SAND.

IV. CONTAINMENT

O1 CONTAINMENT OF WASTES (Check one)	<input type="checkbox"/> A. ADEQUATE, SECURE	<input checked="" type="checkbox"/> B. MODERATE	<input type="checkbox"/> C. INADEQUATE, POOR	<input type="checkbox"/> D. INSECURE, UNSOUND, DANGEROUS
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O2 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

THERE IS NO LINER OR DIKING AT THE LANDFILL WHICH IS WITHIN 10 TO 12' FROM THE FOX RIVER.

V. ACCESSIBILITY

O1 WASTE EASILY ACCESSIBLE: YES NO

O2 COMMENTS THERE IS A LOCKED GATE AT THE ENTRANCE ROAD ONLY. THERE IS NO FENCING AROUND THE SITE. IT IS BOUNDED ON THE WEST BY THE RAILROAD AND ON THE EAST BY THE FOX RIVER.

VI. SOURCES OF INFORMATION (One specific references, e.g. state files, sample analysis, reports)

SITE INSPECTION AND INTERVIEW WITH SITE REPRESENTATIVES
E/E/FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE ILD 02 SITE NUMBER 005071410

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS			03 DISTANCE TO SITE	
SURFACE COMMUNITY	<input checked="" type="checkbox"/> A.	WELL B. <input checked="" type="checkbox"/>	ENDANGERED A. <input type="checkbox"/>	AFFECTED B. <input type="checkbox"/>	MONITORED C. <input checked="" type="checkbox"/>	A. <u>0.45</u> (mi) B. <u>0.59</u> (mi)
NON-COMMUNITY	C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>	

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)					
<input type="checkbox"/> A. ONLY SOURCE FOR DRINKING		<input checked="" type="checkbox"/> B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)		<input type="checkbox"/> C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)	
				<input type="checkbox"/> D. NOT USED, UNUSEABLE	

02 POPULATION SERVED BY GROUND WATER <u>65,798</u>	03 DISTANCE TO NEAREST DRINKING WATER WELL <u>0.33</u> (mi)				
04 DEPTH TO GROUNDWATER <u>15-60</u> (ft)	05 DIRECTION OF GROUNDWATER FLOW <u>EAST</u>	06 DEPTH TO AQUIFER OF CONCERN <u>1225-3000</u> (ft)	07 POTENTIAL YIELD OF AQUIFER <u>600-1600</u> (gpd)	08 SOLE SOURCE AQUIFER <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings) THE CITY OF ELGIN UTILIZES ELEVEN DEEP AQUIFER WELLS (EDWARDS - MT. SIMON FORMATION) RANGING IN DEPTH FROM 1225 TO 3000'. THESE WELLS YIELD BETWEEN 600 TO 1600 GPM. THE DEEPER AQUIFERS ARE SEPARATED FROM THE UPPER AQUIFERS BY THE MAQUOKETA GROUP. THREE WELLS THAT DRAW FROM A SHALLOW SAND & GRAVEL AQUIFER ARE CRITICALLY USED IN EMERGENCIES. WATER OBTAINED FROM GROUNDWATER (10%) IS MIXED WITH WATER FROM THE FOX RIVER.

10 RECHARGE AREA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	COMMENTS	11 DISCHARGE AREA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	COMMENTS <u>Groundwater Flow Discharges to the Fox River.</u>
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IV. SURFACE WATER

01 SURFACE WATER USE (Check one)			
<input checked="" type="checkbox"/> A. RESERVOIR, RECREATION DRINKING WATER SOURCE	<input type="checkbox"/> B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES	<input type="checkbox"/> C. COMMERCIAL, INDUSTRIAL	<input type="checkbox"/> D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME: <u>FOX RIVER</u>	AFFECTED	DISTANCE TO SITE
	<input type="checkbox"/>	<u>10-12'</u> 1000'
	<input type="checkbox"/>	(mi)
	<input type="checkbox"/>	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN ONE (1) MILE OF SITE <u>A. 15,976</u> NO OF PERSONS		02 DISTANCE TO NEAREST POPULATION TWO (2) MILES OF SITE <u>B. 63,798</u> NO OF PERSONS		THREE (3) MILES OF SITE <u>C. 67,549</u> NO OF PERSONS
				<u>0.12</u> (mi)
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE <u>16,789</u>			04 DISTANCE TO NEAREST OFF-SITE BUILDING <u>< 1/4</u> (mi)	

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

DELICELY POPULATED URBAN AREA - VILLAGE OF ELGIN AND SURROUNDING SUBDIVISIONS. THE NORTH SECTOR OF SOUTH ELGIN ALSO LIES WITHIN THE 3-MILE RADIUS.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
O1 STATE	O2 SITE NUMBER
ILD	005071410

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

A. $10^{-6} - 10^{-8}$ cm/sec B. $10^{-4} - 10^{-6}$ cm/sec C. $10^{-4} - 10^{-3}$ cm/sec D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

A. IMPERMEABLE
(Less than 10^{-8} cm/sec) B. RELATIVELY IMPERMEABLE
($10^{-4} - 10^{-6}$ cm/sec) C. RELATIVELY PERMEABLE
($10^{-2} - 10^{-4}$ cm/sec) D. VERY PERMEABLE
(Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK

35 - 170'
(ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

UNKNOWN
(ft)

05 SOIL pH

UNKNOWN

06 NET PRECIPITATION

2.5"

(in)

07 ONE YEAR 24 HOUR RAINFALL

2.9"

(in)

08 SLOPE

SITE SLOPE

5-10%

DIRECTION OF SITE SLOPE

EAST

TERRAIN AVERAGE SLOPE

2-50°

09 FLOOD POTENTIAL

10

SITE IS IN 100 YEAR FLOODPLAIN

SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

ADJACENT TO RIVER

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

OTHER

N/A (mi)

A. N/A (mi)

B. 2.16 (mi)

ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

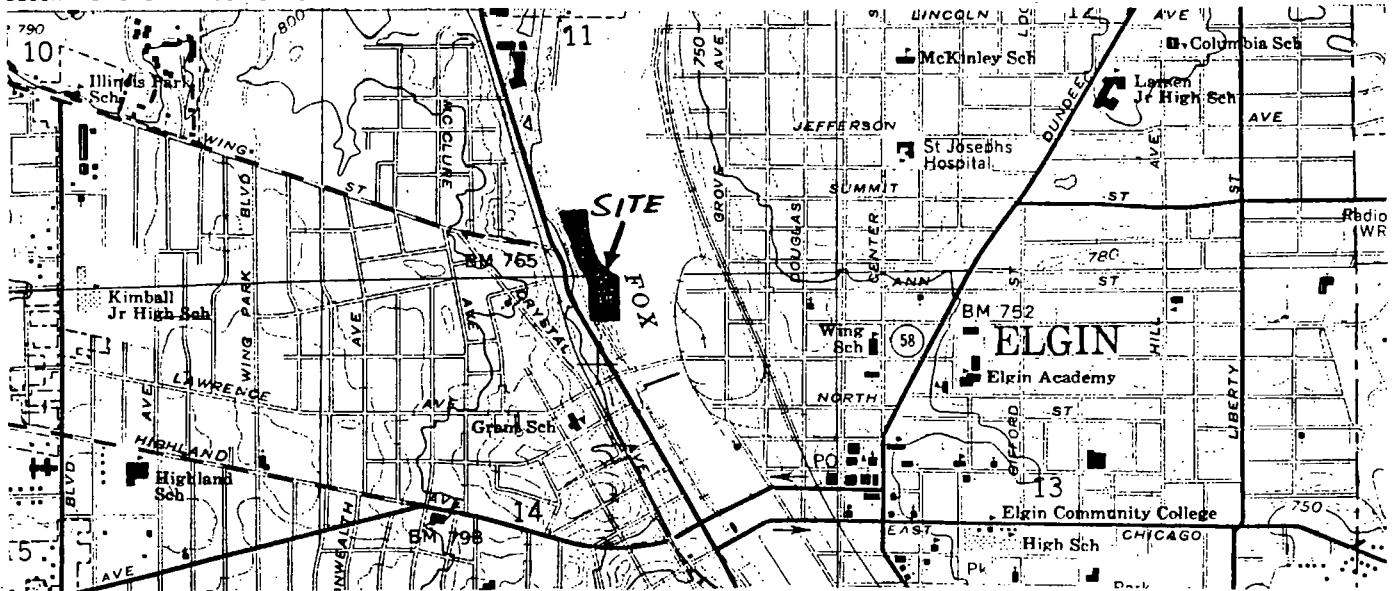
AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A. < 1/4 (mi)

B. < 1/4 (mi)

C. 1.60 (mi) D. 1.60 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



VII. SOURCES OF INFORMATION (Check specific references, e.g., state files, sample analysis, reports)

WELL LOGS E:E/FIT FILES
ELGIN QUADRANGLE, 7.5 mil., 1972
GENEVA QUADRANGLE, 7.5 mil., 1972
ILLINOIS 1980 CENSUS
SITE INSPECTION BY E:E



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	005071410

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER	0	NO SAMPLES TAKEN DURING SITE INSPECTION.	

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS			
HLY (10.2 EV)	NO READINGS ABOVE BACKGROUND			
RAD-MILL	"	"	"	"
EXPLOSIMETER	"	"	"	"
O2 METER	"	"	"	"
MONITOR	"	"	"	"

IV. PHOTOGRAPHS AND MAPS

01 TYPE	■ GROUND	□ AERIAL	02 IN CUSTODY OF	Ecology And Environment Files <small>(Name of organization or individual)</small>
03 MAPS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		04 LOCATION OF MAPS	
<i>Ecology And Environment, Inc. Files</i>				

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SITE INSPECTION BY ESE



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE <i>ELD</i>	02 SITE NUMBER <i>005071410</i>

II. CURRENT OWNER(S)			PARENT COMPANY (if applicable)		
01 NAME <i>WOODRUFF AND EDWARDS</i>	02 D+B NUMBER	03 NAME	09 D+B NUMBER	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.) <i>119 NORTH STATE STREET</i>
05 CITY <i>ELGIN</i>	06 STATE <i>IL</i>	07 ZIP CODE <i>60120</i>	12 CITY	13 STATE	14 ZIP CODE
01 NAME			02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME			02 D+B NUMBER	06 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME			02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD#, etc.)	11 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (List most recent first)			IV. REALTY OWNER(S) (if applicable; list most recent first)		
01 NAME	02 D+B NUMBER	03 NAME	04 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	05 CITY	06 STATE 07 ZIP CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME			02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	05 CITY	06 STATE 07 ZIP CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME			02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	05 CITY	06 STATE 07 ZIP CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Check specific references, e.g., state files, sample analysis, reports)

SITE INSPECTED BY E&E
E&E/FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART B - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
TLD	005071410

II. CURRENT OPERATOR (Provide if different from owner)			OPERATOR'S PARENT COMPANY (If applicable)		
01 NAME <i>WOODRUFF AND EDWARDS</i>	02 D+B NUMBER	10 NAME ---	11 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.) <i>119 NORTH STATE STREET</i>		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD#, etc.)		13 SIC CODE
05 CITY <i>ELGIN</i>	06 STATE <i>IL</i>	07 ZIP CODE <i>60120</i>	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION <i>38</i>	09 NAME OF OWNER <i>WOODRUFF AND Edwards</i>				
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)		
01 NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD#, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				
01 NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD#, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

IV. SOURCES OF INFORMATION (Check specific references, e.g., state files, sample analysis, reports)

*SITE INSPECTED BY EIE
EIE/FIT FILES*



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	005071410

II. ON-SITE GENERATOR

01 NAME <i>NIA</i>	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE		
05 CITY	06 STATE		

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD#, etc.)	04 SIC CODE		
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SITE INSPECTED BY EIE
EIE/FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE ILD 02 SITE NUMBER 005071410

II. PAST RESPONSE ACTIVITIES

01 A. WATER SUPPLY CLOSED
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 D. SPILLED MATERIAL REMOVED
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 F. WASTE REPACKAGED
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 H. ON SITE BURIAL
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 L. ENCAPSULATION
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 N. CUTOFF WALLS
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____

01 Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION

N/A

02 DATE _____ 03 AGENCY _____



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE IL 02 SITE NUMBER 005071410

II PAST RESPONSE ACTIVITIES (Continued)

01 <input type="checkbox"/> R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> S. CAPPING/COVERING 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> T. BULK TANKAGE REPAIRED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> V. BOTTOM SEALED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> W. GAS CONTROL 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> X. FIRE CONTROL 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Y. LEACHATE TREATMENT 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Z. AREA EVACUATED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 2. POPULATION RELOCATED 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION <i>N/A</i>	02 DATE _____	03 AGENCY _____

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

N/A



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
O1 STATE	O2 SITE NUMBER
ILD	005071410

II. ENFORCEMENT INFORMATION

O1 PAST REGULATORY/ENFORCEMENT ACTION YES NO

O2 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

None

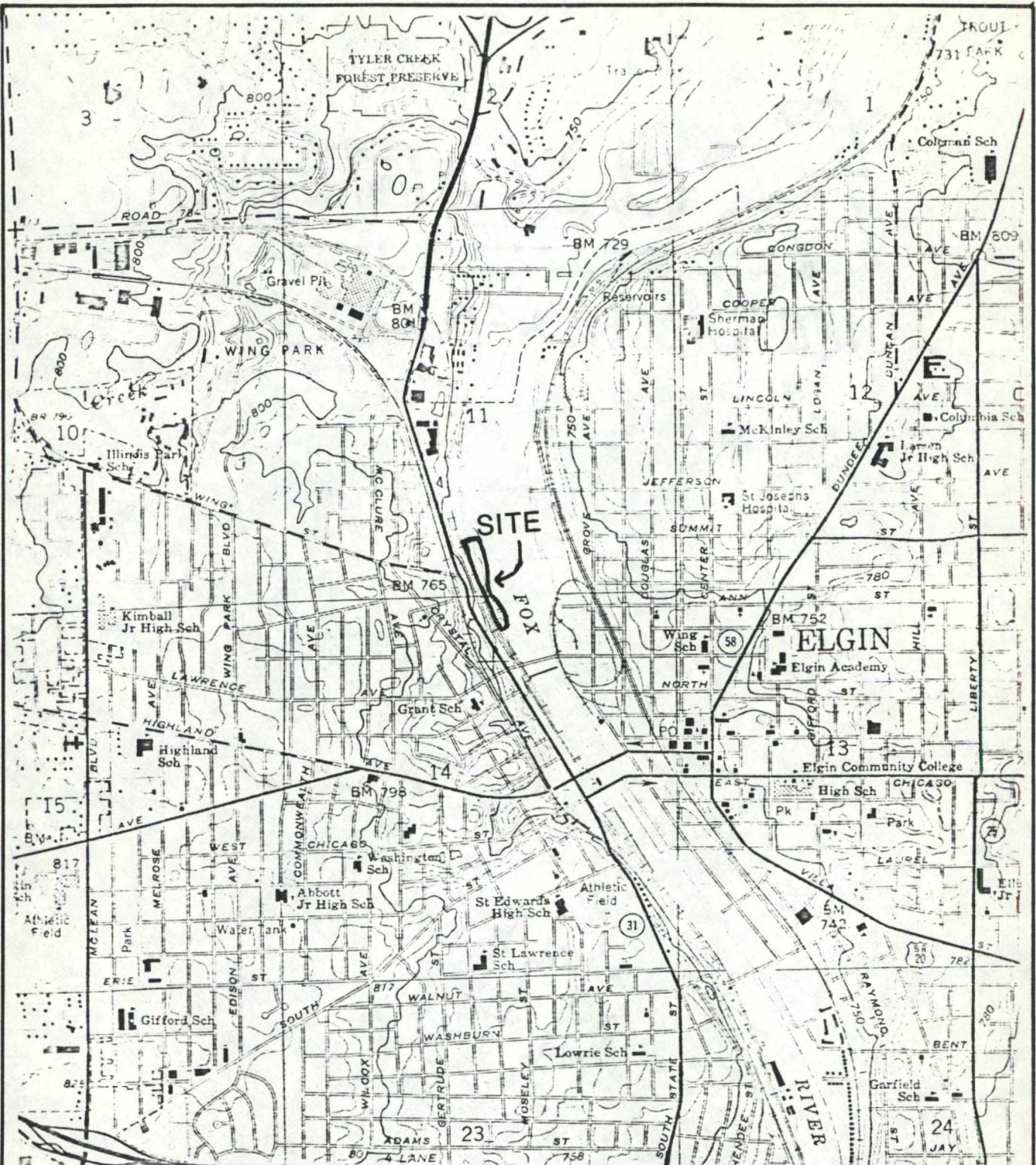
III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SITE INSPECTION AND INTERVIEW WITH SITE REPRESENTATIVES
BY E;E.

Immediate Removal Action Check Sheet

	High	Moderate	Low
<u>Fire and Explosion Hazard</u>			
Flammable Materials	N/A		
Explosives	N/A		
Incompatible Chemicals	N/A		
<u>Direct Contact with Acutely Toxic Chemicals</u>			
Site Security <u>locked entrance gate, no fence</u>	X		
Leaking Drums or Tanks	N/A		
Open Lagoons or pits	N/A		
Materials on Surface <u>foundry sand cover</u>	X		
Proximity of Population		X	
Evidence of Casual Site Use <u>Garden plot</u>		X	
<u>Contaminated Water Supply</u>			
Exceeds 10 Day Sani	N/A		
Gross Taste or Odors	N/A		
Alternate Water Available <u>STREAM uptake 1 1/2 miles upstream.</u>			X
Potential Contamination <u>SAME AS ABOVE.</u>			X
Is the site abandoned or active?	ACTIVE		

Comments: THE LANDFILL WILL BE USED UNTIL 1989 AND THE PROPERTY WILL BE RETURNED TO THE CITY OF EUGENE.

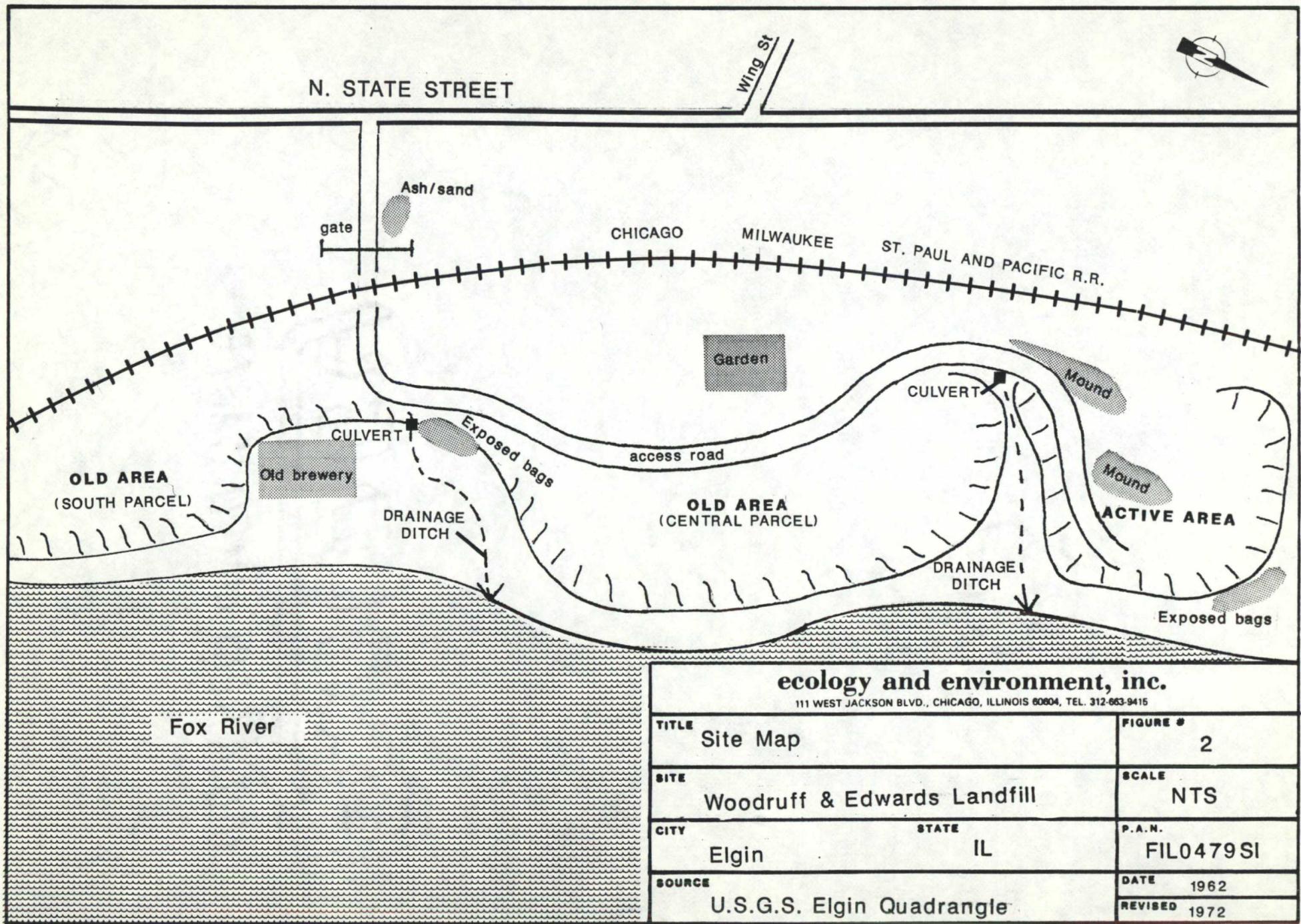


ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415



TITLE	FIGURE #	
Site Map	1	
SITE	SCALE	
Woodruff & Edwards Landfill	1:24,000	
CITY	STATE	P.A.N.
Elgin	IL	FIL0479SI
SOURCE	DATE	REVISED
U.S.G.S. Elgin Quadrangle	1962	1972



FIELD PHOTOGRAPHY LOG SHEET

DATE 3/23/87TIME 11:06 A.M. P.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER 60°'s andSunnySITE Woodruff & EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE CURNOCK

SAMPLE ID# (if applicable)

DESCRIPTION: EAST SLOPE OF THE OLD LANDFILL (SOUTH PARCEL)
ALONG THE WEST BANK OF THE FOX RIVER.DATE 3/23/87TIME 11:06 A.M. P.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER 60°'s andSunnySITE Woodruff & EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: SAME AS ABOVE.

FIELD PHOTOGRAPHY LOG SHEET

2

DATE 3/23/87TIME 11:08 A.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER 60's ANDSunnySITE Woodruff + EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: OLD LANDFILL (SOUTH PARCEL) SURFACE COMPOSED OF SAND.DATE 3/23/87TIME 11:10 A.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER 60's ANDSunnySITE Woodruff + EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: OLD LANDFILL (SOUTH PARCEL) PROPERTY.

DATE 3/23/87TIME 11:13 A.M. P.M.

DIRECTION: N NNE NE ENE

E ESE SE SSE

S SSW SW WSW

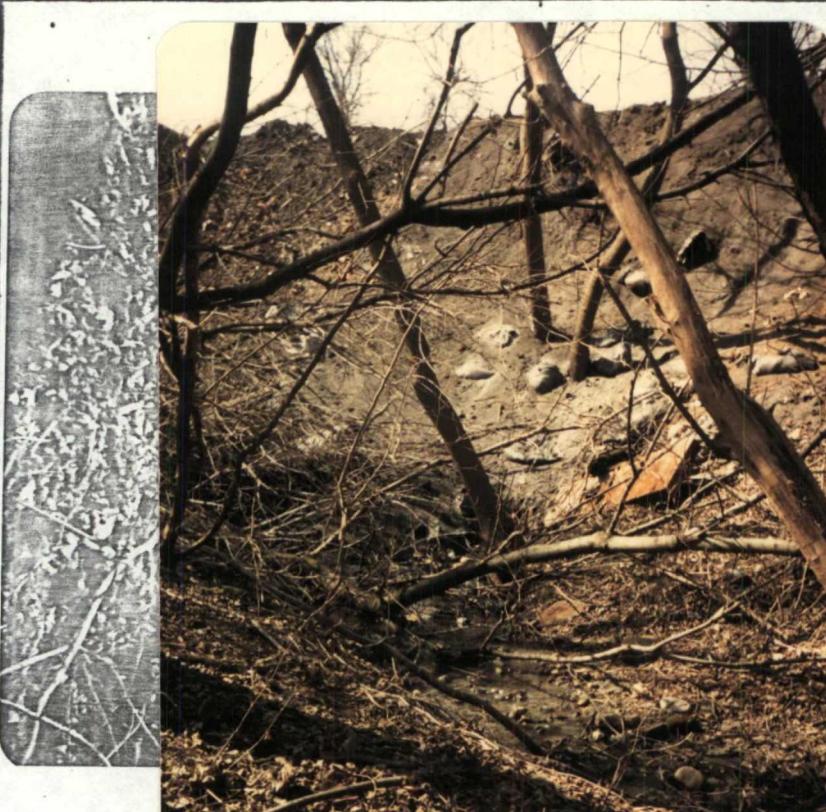
(W) WNW NW NNW

WEATHER 60's ANDSunnySITE Woodruff + EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: EXPOSED FLY ASH BAGS (RECENT) ON SLOPE OF OLD LANDFILL (CENTRAL PARCEL).DATE 3/23/87TIME 11:20 A.M. P.M.

DIRECTION: (N) NNE NE ENE

E ESE SE SSE

S SSW SW WSW

W WNW NW NNW

WEATHER 60's ANDSunnySITE Woodruff + EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: OLD LANDFILL (CENTRAL PARCEL) PROPERTY. TOP OF LANDFILL SLOPES TO THE WEST.

DATE 3/23/87TIME 11:21 A.M. P.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER 60's AND
SunnySITE Woodruff + EdwardsTDD# FOS-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: EAST SLOPE OF OLD LANDFILL (CENTRAL PARCEL) IS
VERY STEEP (~50°) AND WITHIN 10-12' OF THE FOX RIVER.DATE 3/23/87TIME 11:31 A.M. P.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER 60's AND
SunnySITE Woodruff + EdwardsTDD# FOS-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: SOUTH ENTRANCE OF THE ACTIVE AREA (NORTH PARCEL).
EXPOSED BAGS OF FLY ASH - AND NO DAILY COVER.

DATE 3/23/87TIME 11:36 A.M. P.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER b0's AND
SunnySITE Woodruff + EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: ACTIVE AREA WITH UNCOVERED MOUNDS.DATE 3/23/87TIME 11:39 A.M. P.M.DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNWWEATHER b0's AND
SunnySITE Woodruff + EdwardsTDD# F05-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: NORTH EAST SLOPE OF THE ACTIVE AREA, EXPOSED
AND BROKEN BAGS OF FLY ASH AND NO COVER.

FIELD PHOTOGRAPHY LOG SHEET

PAGE 6DATE 3/23/87TIME 11:52 A.M.

DIRECTION: N NNE NE ENE

E ESE SE SSE

S SSW SW WSW

W WNW NW NNW

WEATHER 60's ANDSunnySITE Woodruff + EdwardsTDD# FDS-8702-167

PHOTOGRAPHED BY:

DAVE Curnock

SAMPLE ID# (if applicable)

DESCRIPTION: NORTH SIDE OF ENTRANCE GATE. PILE OF FOULY
SAID AND WHITE PRECIPITATE MATERIAL.

DATE _____

TIME _____ A.M. P.M.

DIRECTION: N NNE NE ENE

E ESE SE SSE

S SSW SW WSW

W WNW NW NNW

WEATHER _____

PHOTO

SITE _____

TDD# _____

PHOTOGRAPHED BY:

SAMPLE ID# (if applicable)

DESCRIPTION: _____